

(See table below)

TYPE 24 GRATE =

TYPE 18 GRATE :

TYPICAL FRAME

тур>,

1/4"

_L4 x 3 x 1/4

<тур

3'-4"

3'-5%

LONGITUDINAL SECTION

(Thru frame and grate)

CROSS SECTION

(Thru frame)

ANCHORS

(B)

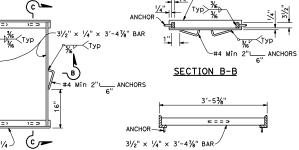
-SEE DETAIL "D"

14 x 3 x 1/4

ALTERNATIVE CAST DUCTILE IRON GRATE OR CAST CARBON STEEL GRATE

WELDED GRATE

-14 x 3 x 1/4



1'-11%" OR 1'-5%'

END OF BAR

SPACING SAME AS FOR

BOTH ENDS HELD

TOGETHER BY SOLID

ALTERNATIVE CAST

DUCTILE IRON OR

CAST CARBON STEEL

END BLOCK GRATE

WELDED OR BOLTED GRATE

CAST END BLOCK NOTES:

HOLE

- Grate type numbers refer to approximate width of grate in inches and number of bars, respectively.
- 3. Rounded top of bars optional on all grates.
- anchors.

- 8. Connect chain to grate and frame only at locations shown on the plans. When chain is required, do not use cast ductile iron

TYPICAL FRAME SECTION C-C ALTERNATIVE ANCHOR FOR RECTANGULAR FRAME (For details not shown, See Rectangular Frame Details)

RECTANGULAR FRAME DETAILS

(For all rectangular grates)

TYPE 24

TYPE 18

31/2" × 1/4" × 3'-47/8" BAR

GRATE = 2'-0".

GRATE = 1'-6"

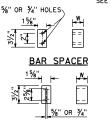
L4 × 3 × 1/4

INLET TYPE COVER TYPE WEIGHT							
OL-7					INLET TYPE	COVER TYPE	
GRATE BAR SPACING TABLE OL-10 PLATE 170 TYPE No. OF OF CLEAR BAR SPACING OF PLATE X OCP PLATE 170 BARS SPACING OCP PLATE 112 OCP PLATE 112 0CPI PLATE 112 OCPI PLATE 112 24-9 9 2" 1%" OMP PLATE 177					OS	PLATE	174
TYPE					OL-7	PLATE	170
TYPE	GRATE BAR SPACING TABLE				0L-10	PLATE	170
TYPE OF BARS SPACING CP PLATE 112 18-9 9 1½" 1½" 0CPI PLATE 112 24-9 9 2" 1½" 0MP PLATE 177		T			OL-14	PLATE	170
TYPE	TYPE	OF		×	0L-21	PLATE	170
18-9 9 1½" 1½" OCFI REDWOOD 42 24-9 9 2" 1½" OMP PLATE 177					OCP	PLATE	112
24-9 9 2" 1%6" OMP PLATE 177					OCPI	PLATE	112
	18-9	9	13/8"	11/16"	OCPI	REDWOOD	42
24-12 12 13/4" 11/4" OMPI PLATE 177	24-9	9	2"	1 %6"	OMP	PLATE	177
	24-12	12	13/8"	11/4"	OMPI	PLATE	177

INLET TYPE	GRATE TYPE	No. OF GRATES	WEIGHT LB
GDO	24-12	2	634
GOL-7	24-12	1	326
GOL-10	24-12	1	326
GO,G1,G2,G3,G4 (TYPE 24)	24-9	1	263
	24-12	1	326
G4 (TYPE 18),G5,G6	18-9	1	249
GT1	18-9	2	498
GT2	18-9	2	498
GT3	24-12	2	652
GT4	24-12	2	652
TRASH RACK			22
GRATE CHAIN	ı		٦.

OR 1'-5% BOLTED END BLOCK 3½" × ½" BARS — $\frac{1}{2}$ " ø BOLTS FOR $\frac{5}{8}$ " HOLES OR $\frac{5}{8}$ " ø BOLTS FOR $\frac{3}{4}$ " HOLES SPACER SPACE CUT WASHERS SPOT WELD OR PEEN X SEE TABLE **BOLTING DETAIL**

ALTERNATIVE BOLTED GRATE



ALTERNATIVE SPACER $W = 1\frac{3}{8}$ " or 2"

DETAIL "D" (Steel grates only)

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION GRATE DETAILS

NO SCALE

RSP D77A DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN D77A DATED MAY 20, 2011 - PAGE 164 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP

FINAL PAY WEIGHTS FOR DRAINAGE INLETS BASIS FOR Misc IRON & STEEL (See Note 7)